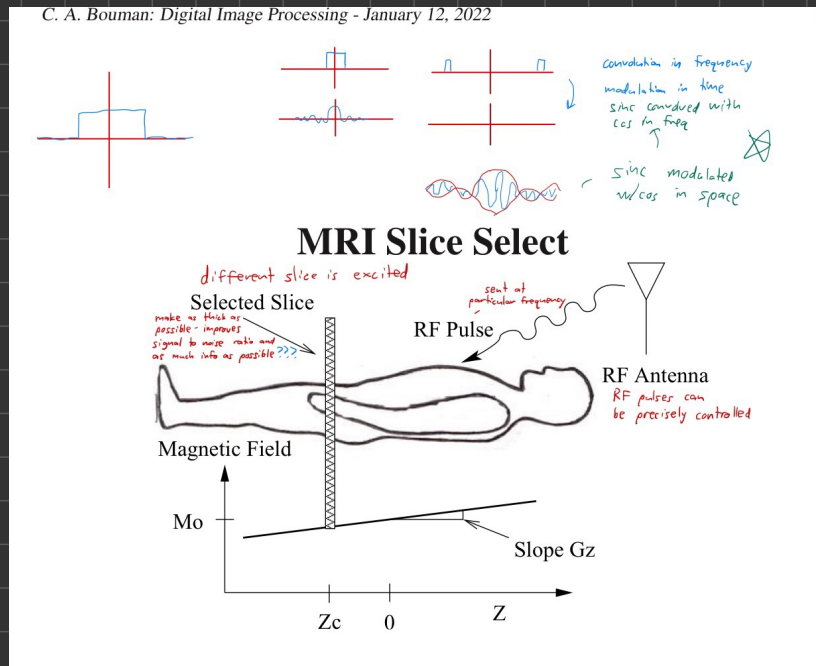


4.6) Send precisely controlled RF pulses (at a particular frequency), adjust G_x and continue sampling



4.7) Scan the frequency by controlling $G(t)_x$ such that the Fourier transform of $a(x)$ is obtained. Then take the inverse Fourier transform of the signal. Set $G(t)$ as follows:

$$G(t) = \begin{cases} G & 0 < t \leq T \\ -G & T < t \leq 2T \end{cases}$$

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ECE 637
Exam #1